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REPORTED INDUCED ABORTIONS
MINNESOTA, 1979

Report No. 5
Minnesota Abortion Surveillance
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Minnesota Center for Health Statistics
Minnesota Department of Health
717 Delaware Street S.E.
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PREFACE

This report is the fifth in a series of analyses of data gathered during the Minnesota Abortion Surveillance. These data were collected, analysed and prepared by the staff of the Minnesota Center for Health Statistics. Address correspondence to Minnesota Center for Health Statistics, 717 Delaware St. S.E., Minneapolis, MN 55440.

INTRODUCTION

The Minnesota Abortion Surveillance is a health monitoring system conducted by the Center for Health Statistics within the Minnesota Department of Health. Since its introduction in 1974 the Surveillance has provided current public health information on abortions, including demographic profiles of the abortion patients.

The Surveillance is currently in its sixth year as a state wide reporting system, gathering data voluntarily supplied by provider facilities throughout Minnesota. Continuous facility recruiting has been done since 1974 to enlist all possible sources of abortion data, yielding the present 23 data providers enrolled on the system.

Since, by definition, a voluntary surveillance is subject to partial and incomplete reporting of events, this report and the data collected do not imply the complete and comprehensive status of legal abortion in Minnesota. The intention of this report is to describe as accurately as possible the situation as it was reported during the Surveillance period.

SYMBOLS

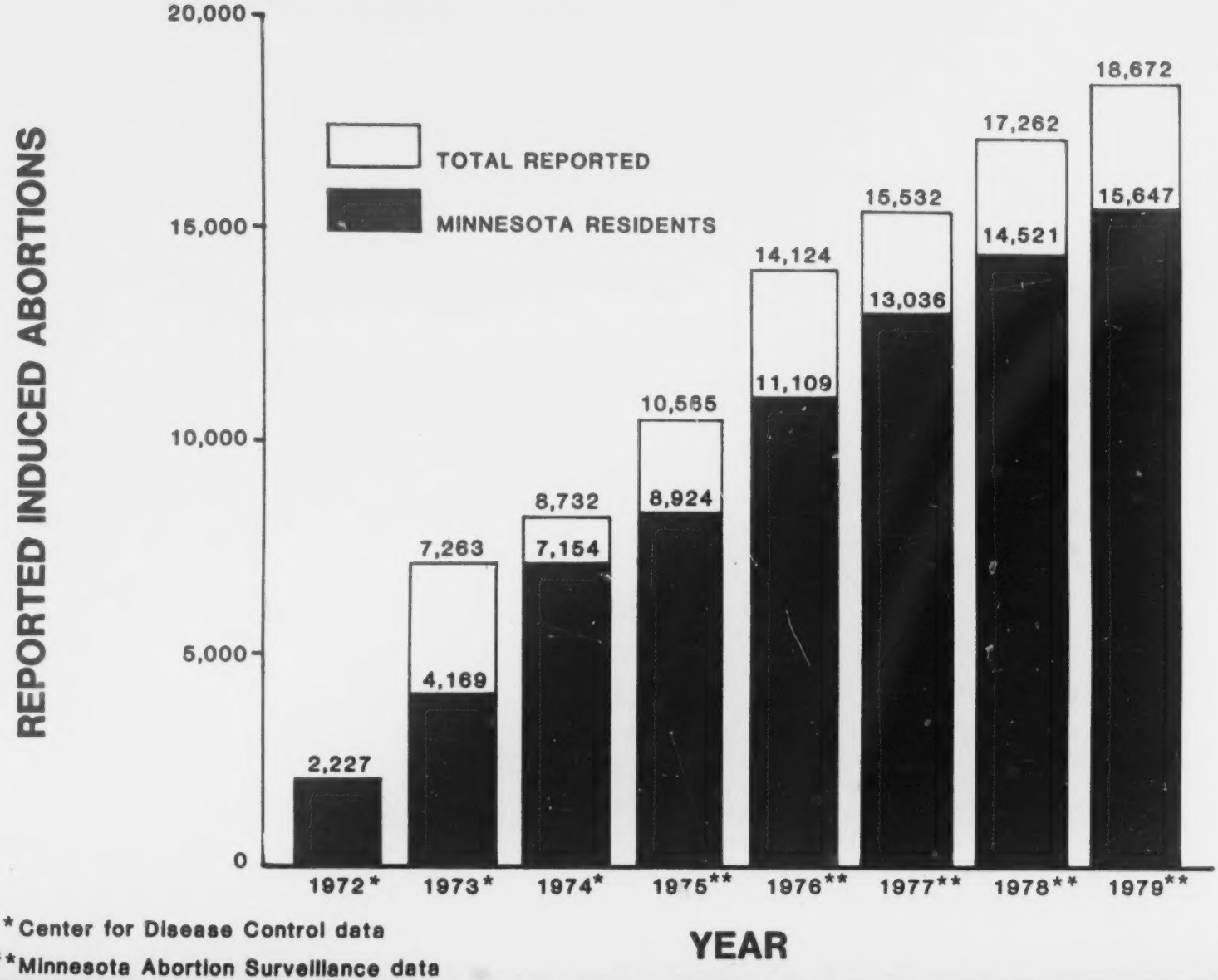
Data not available
Data not applicable . . . . . -

Quantity zero 0

Quantity >0 but <0.05 . . . . . 0.0

GRAPH 1

REPORTED INDUCED ABORTIONS MINNESOTA, 1972-1979



*Center for Disease Control data

**Minnesota Abortion Surveillance data

RELATIONSHIP OF THE MINNESOTA SURVEILLANCE TO NATIONAL ABORTION DATA

Continuous reporting of induced abortions was initiated nationally by the Center for Disease Control (CDC) in Atlanta during 1969. Data on Minnesota women first appeared in its 1972 Surveillance Report.[1] In that year 2,227 abortions to Minnesota residents were reported by agencies outside Minnesota. In 1973 and 1974, the CDC solicited reports of abortions from several hospitals and clinics in Minnesota. The "testing phase" of the Minnesota Abortion Surveillance also provided the CDC with three months of survey data in 1974. However, 1975 marked the first complete year of the Minnesota based Surveillance and since then annual abortion data has been supplied to the CDC and other federal, state and private agencies.

MINNESOTA ABORTION TRENDS

The number of resident and total reported abortions in the state is shown in Graph 1. The number of reported abortions has risen through time with the largest increase between 1975 and 1976, or approximately 34%. Since 1976, the number of reported abortions has increased another 32%.

The proportion of resident versus total reported abortions in the state is also shown in Graph 1. Over time the proportion has remained almost unchanged, with Minnesota residents comprising 84% of all patients receiving abortions in Minnesota during the years 1975, 1977, 1978 and 1979. Only in 1976 did the proportion change; 79% of all abortions were performed on Minnesota residents.

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[1] Center for Disease Control: Abortion Surveillance: 1972 issued April 1974, DHEW Publication (CDC) 74-8205.

SURVEILLANCE RESULTS, 1979

The number of induced abortions recorded by the Minnesota Abortion Surveillance rose for the fifth consecutive year. Minnesota facilities reported 18,672 abortions in 1979, an 8.2% increase over the 17,262 reported in 1978. The number of Minnesota resident women receiving abortions in Minnesota facilities showed a 7.8% increase from 14,521 in 1978 to 15,647 in 1979.

The age range of Minnesota women receiving abortions was 12 to 47 years. Women under 20 years accounted for 35.8% of all reported procedures, while women 40 and over comprised 1.1% of the total. As shown in Table A (page 7), the proportion of abortion recipients under 20 decreased considerably from the 40.1% reported in 1975 to the 1979 figure of 35.8%.

Never married women represented 71.4% of the resident abortions. Although 14% of all women indicated they were married, only 2.2% of those younger than 20 years specified "married".

Among those abortions where race of patient was reported (discounting unknown*), the race and ethnic distribution of Minnesota resident women receiving abortions in 1979 was: 93.4% White, 4.7% Black, 0.5% Indian, 0.4% Hispanic, 1.0% Other races. The most noticeable change observed since 1978 was that the percentage of Black women rose from 2.8% to 4.7%. Investigation has shown that this may not reflect a real increase in the number of Blacks receiving abortions, but rather an improvement in reporting of race by the facilities.

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* Unknown race was eliminated from ethnic distribution calculations because of the large proportion of unknown or unreported race.

Nearly 70% of all 1979 abortion patients reported residing in the Metropolitan area (Anoka, Carver, Dakota, Hennepin, Ramsey, Scott and Washington counties). The metropolitan abortion rate was 21.9 abortions per 1,000 women aged 15-44, twice the rate of 10.7 per 1,000 women for the remainder of Minnesota. Because these geographic data represent the uncollaborated residence claimed by abortion patients, caution should be used in their interpretation.

Prior abortions were reported in 22.4% of the overall resident reports, and by 26.5% of the women aged 20-24 years. One or more previous births was reported by 27.7% of all patients and by 90.2% of those aged 40 and over.

Approximately one in four of the resident women indicated no prior use of contraception. Another one in four noted contraceptive failures. It appears that contraception is being utilized by more Minnesota residents when analyzing data presented in Table A. The proportion of the abortion patients who indicated "Never Used" decreased from 32.6% in 1975 to 24.0% in 1979 and the percentage of patients using contraception at the time of conception rose from 18.7% to 25.3%. In July 1979, a new variable "Interrupted Use" was introduced in the "Contraceptives Used" category. The new term means that a woman who typically used a method of contraception "missed a pill or two, forgot to check for her IUD, did not use her diaphragm once or twice, etc.". During the six month period in which "Interrupted Use" was collected, it appeared in 5.4% of the reported resident abortions.

As in previous Surveillance years, first trimester patients ($\leq$12 weeks gestation) accounted for the majority of the total (88.4%). Table A indicates that 1979 abortions were done at an earlier gestational age than in

previous Surveillance years. The proportion of abortions done after 15 weeks gestation decreased from 11.1% in 1975 to an all time low in 1979 of 4.1%.

The lowest complication rate in the five years of reporting was observed in 1979. Major complications were noted for only 18 of the resident abortions. "Major Complications" are considered any of the following factors reported within 24 hours of the procedure: 1) Hemorrhage (500 ml or greater); 2) Pelvic infection; 3) Fever (>38^0 C); 4) Cervical injury; 5) Uterine perforation; 6) Retained tissue; 7) Continuing pregnancy (incomplete abortion); 8) any other medical complication related to the abortion procedure.

The abortion rate (number of abortions per 1,000 women aged 15-44) has climbed steadily for the past five years. The Minnesota rate in 1979 was 16.6 as compared to the rate of 10.3 observed in 1975. Metropolitan area rates nearly doubled from 1975 to 1979 with rates increasing from 12.1 to 21.9. Non-metropolitan rates increased more slowly from 8.3 per 1,000 women in 1975 to 10.7 in 1979.

TABLE A

REPORTED INDUCED ABORTIONS
SELECTED SURVEILLANCE RESULTS AND COMPARISONS
MINNESOTA, 1975-1979

	1975	1976	1977	1978	1979	Percent Change 1978-79	Percent Change 1975-79
Reported Induced Abortions*							
Total Reported Abortions	10,565	14,124	15,532	17,262	18,672	+8.2	+76.7
Minnesota Resident Abortions	8,924	11,109	13,036	14,521	15,647	+7.8	+75.3
Total Monthly Average	966**	1,177	1,294	1,438	1,556	+8.2	+61.1
Resident Monthly Average	819**	926	1,086	1,210	1,304	+7.8	+59.2
Gestational Age*							
Proportion <9 weeks	27.7%	35.8%	37.1%	35.4%	36.4%	+2.8%	+31.4%
Proportion <13 weeks	80.9%	85.2%	86.0%	86.4%	88.4%	+2.3%	+9.3%
Proportion ≥16 weeks	11.1%	7.3%	6.1%	5.6%	4.1%	-26.8%	-63.1%
Patient's Age*							
Proportion <Age 16	3.8%	4.0%	3.2%	2.6%	2.2%	-15.4%	-42.1%
Proportion <Age 20	40.1%	41.1%	38.1%	36.1%	35.8%	-0.8%	-10.7%
Proportion ≥Age 40	1.9%	1.3%	1.5%	1.0%	1.1%	+10.0%	-42.1%
Contraception*							
Proportion "Never Used"	32.6%	30.9%	29.2%	25.9%	24.0%	-7.3%	-26.4%
Proportion "Not Used Currently"	48.8%	51.3%	48.5%	45.5%	44.8%	-1.5%	-8.2%
Proportion "In Use Now"	18.7%	17.1%	18.9%	21.6%	25.3%	+17.1%	+35.3%
Complications*							
Total Per 1,000 Procedures	5.58	3.75	2.70	2.90	1.18	-59.3	-78.9
Resident Per 1,000 Procedures	5.71	4.05	2.76	3.17	1.15	-63.7	-79.9
Resident - Suction Curettage	3.09	3.02	2.63	2.84	0.82	-71.1	-73.5
Resident - All Other Methods	16.11	10.51	3.97	5.39	3.07	-43.0	-80.9

* Note: All data are Minnesota resident abortion statistics unless "Total" is indicated.

** July through December 1975 (Average)

GRAPH 2 REPORTED INDUCED ABORTIONS NUMBER REPORTED BY RECIPIENT's AGE MINNESOTA RESIDENTS, 1979

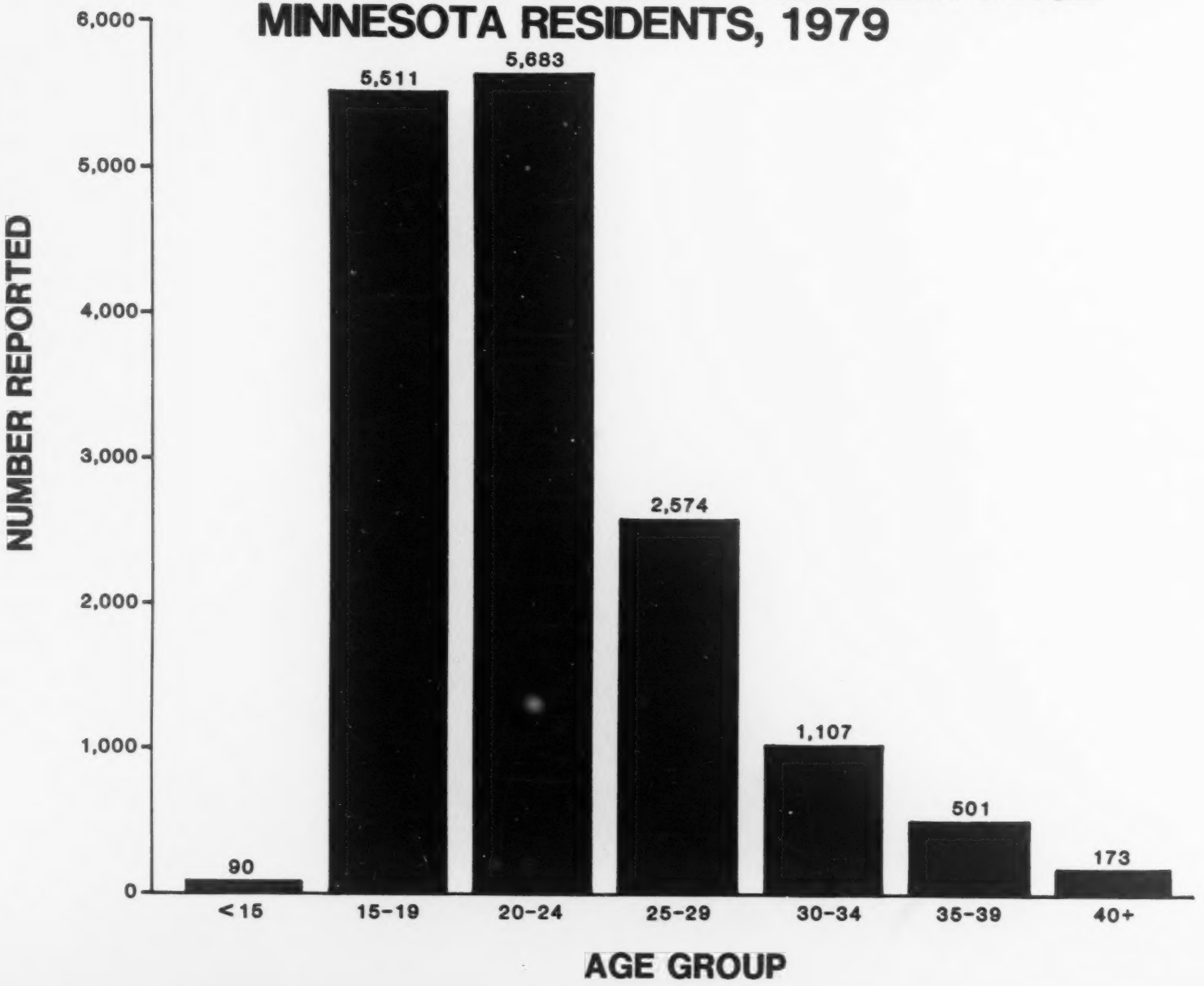


Table 1

REPORTED INDUCED ABORTIONS
BY AGE GROUP AND RESIDENCE

MINNESOTA, 1979

Age Group	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
<15	116	0.6	90	0.6	77.6
15-19	6,593	35.3	5,511	35.2	83.6
20-24	6,763	36.2	5,683	36.3	84.0
25-29	2,945	15.8	2,574	16.5	87.4
30-34	1,297	6.9	1,107	7.1	85.4
35-39	574	3.1	501	3.2	87.3
40+	206	1.1	173	1.1	84.0
Unknown	178	1.0	8	0.1	4.5
TOTAL	18,672	100.0	15,647	100.0	83.8

$$* \text{ Resident Percentage} = \frac{\text{Minnesota Resident Abortions (age X)}}{\text{Total Reported Abortions (age X)}} \times 100$$

Table 2

REPORTED INDUCED ABORTIONS
BY INDIVIDUAL AGE FOR TEENAGE PATIENTS
AND BY SELECTED AGE GROUP BY RESIDENCE

MINNESOTA, 1979

	Total Reported Abortions			Minnesota Resident Abortions			
Age	Number	Percentage of Teens	Percentage of Total	Number	Percentage of Teens	Percentage of Residents	Resident Percentage*
<12	1	0.0	0.0	0	0	0	0
12	3	0.0	0.0	2	0.0	0.0	66.7
13	22	0.3	0.1	17	0.3	0.1	77.3
14	90	1.3	0.5	71	1.3	0.5	78.9
15	300	4.5	1.6	247	4.4	1.6	82.3
16	851	12.7	4.6	710	12.7	4.5	83.4
17	1,488	22.2	8.0	1,261	22.5	8.1	84.7
18	2,022	30.1	10.8	1,675	29.9	10.7	82.8
19	1,932	28.8	10.3	1,618	28.9	10.3	83.7
10-19	6,709	100.0	35.9	5,601	100.0	35.8	83.5
20-29	9,708	-	52.0	8,257	-	52.8	85.1
30-39	1,871	-	10.0	1,608	-	10.3	85.9
40+	206	-	1.1	173	-	1.1	84.0
Unknown	178	-	1.0	8	-	0.1	4.5
TOTAL	18,672	-	100.0	15,647	-	100.0	83.8

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 3

REPORTED INDUCED ABORTIONS
BY RACE/ETHNIC GROUP AND RESIDENCE

MINNESOTA, 1979

	Total Reported Abortions		Minnesota Resident Abortions		
Race	Number	Percentage	Number	Percentage	Resident Percentage*
White	15,763	84.4	13,128	83.9	83.3
Black	709	3.8	660	4.2	93.1
American Indian	91	0.5	77	0.5	84.6
Hispanic	58	0.3	51	0.3	87.9
Other	163	0.9	141	0.9	86.5
Unknown	1,888	10.1	1,590	10.2	84.2
TOTAL	18,672	100.0	15,647	100.0	83.8

$$* \text{ Resident Percentage} = \frac{\text{Minnesota Resident Abortions (race X)}}{\text{Total Reported Abortions (race X)}} \times 100$$

Table 4

REPORTED INDUCED ABORTIONS
BY MARITAL STATUS AND RESIDENCE
MINNESOTA, 1979

Marital Status	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
Never Married	13,308	71.3	11,167	71.4	83.9
Married	2,589	13.9	2,198	14.0	84.9
Divorced	1,535	8.2	1,332	8.5	86.8
Separated	552	3.0	489	3.1	88.6
Widowed	67	0.4	54	0.3	80.6
Unknown	621	3.3	407	2.6	65.5
TOTAL	18,672	100.0	15,647	100.0	83.8

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 5

REPORTED INDUCED ABORTIONS
BY AGE GROUP AND MARITAL STATUS
MINNESOTA RESIDENTS, 1979

Age Group	Reported Resident Abortions	Marital Status					
		Never Married	Currently Married	Divorced	Separated	Widowed	Unknown
<15	90	89	0	0	0	0	1
15-19	5,511	5,239	126	23	33	2	88
20-24	5,683	4,395	618	325	182	9	154
25-29	2,574	1,159	664	485	154	21	91
30-34	1,107	225	423	313	82	13	51
35-39	501	43	256	150	32	7	13
40+	173	11	111	36	6	2	7
Unknown	8	6	0	0	0	0	2
TOTAL	15,647	11,167	2,198	1,332	489	54	407

GRAPH 3

REPORTED INDUCED ABORTIONS

PERCENT OF TOTAL RESIDENT ABORTIONS BY GESTATION WEEKS MINNESOTA, 1979

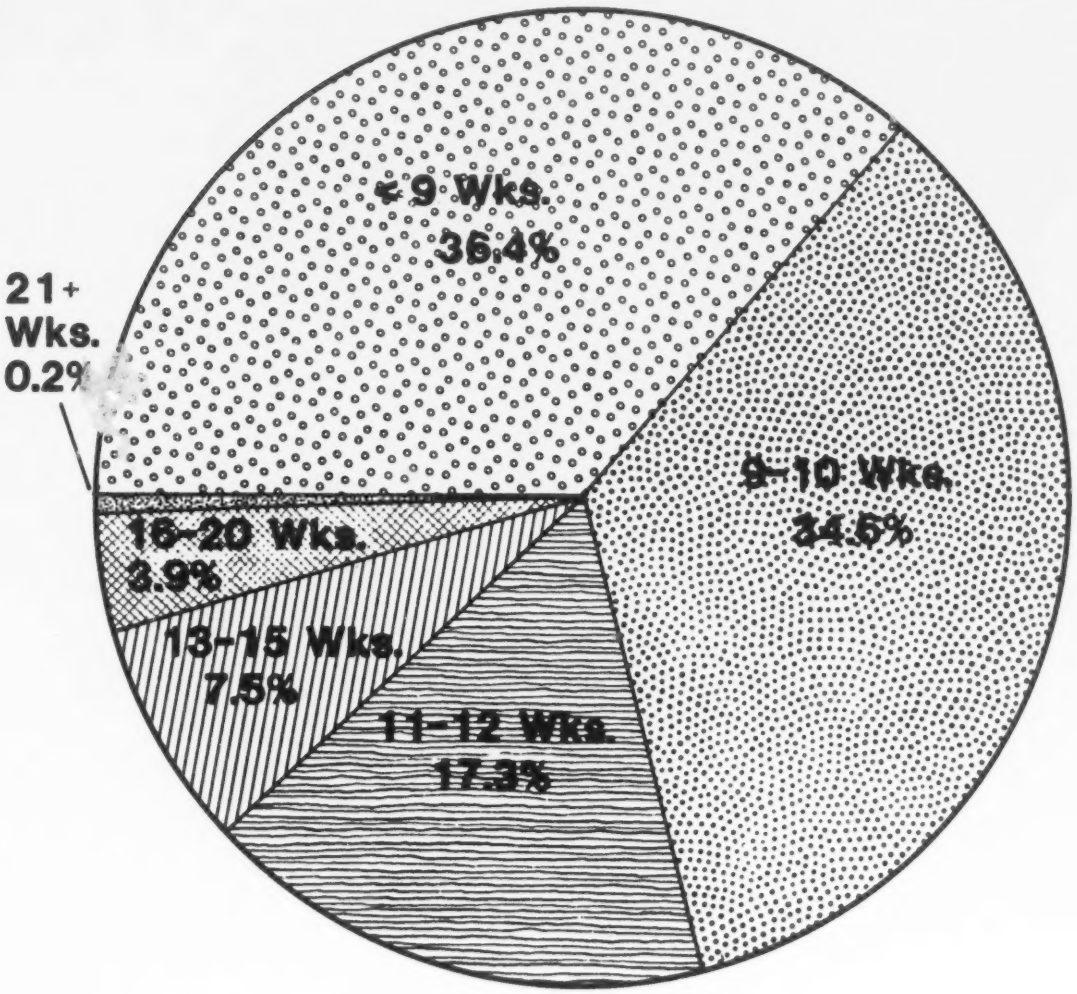


Table 6

REPORTED INDUCED ABORTIONS
BY GESTATION AND RESIDENCE

MINNESOTA, 1979

Weeks of Gestation* (Post LMP)	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage**
	Number	Percentage	Number	Percentage	
<9	6,350	34.0	5,700	36.4	89.8
9-10	6,344	34.0	5,421	34.6	85.5
11-12	3,190	17.1	2,714	17.3	85.1
13-15	1,543	8.3	1,171	7.5	75.9
16-20	1,143	6.1	604	3.9	52.8
21+	102	0.5	37	0.2	36.3
TOTAL	18,672	100.0	15,647	100.0	83.8

* Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

** Resident Percentage = $\frac{\text{Minnesota Resident Abortions (week X)}}{\text{Total Reported Abortions (week X)}}$ X 100

Table 7

REPORTED INDUCED ABORTIONS
BY AGE GROUP BY WEEKS OF GESTATION
MINNESOTA RESIDENTS, 1979

Age Group	Reported Resident Abortions	Gestation in Weeks* (LMP)					
		<9	9-10	11-12	13-15	16-20	21+
<15	90	17	29	17	13	12	2
15-19	5,511	1,612	1,853	1,181	540	307	18
20-24	5,683	2,194	1,998	900	393	189	9
25-29	2,574	1,165	870	347	136	51	5
30-34	1,107	482	389	161	47	25	3
35-39	501	176	209	78	30	8	0
40+	173	51	70	30	11	11	0
Unknown	8	3	3	0	1	1	0
TOTAL	15,647	5,700	5,421	2,714	1,171	604	37

* Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

Table 8

REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR ABORTIONS
AND RESIDENCE

MINNESOTA, 1979

Number of Prior Abortions	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
0	14,716	78.8	12,144	77.6	82.5
1	3,290	17.6	2,893	18.5	87.9
2	557	3.0	506	3.2	90.8
3	79	0.4	75	0.5	94.9
4	26	0.1	25	0.2	96.2
5+	4	0.0	4	0.0	100.0
Unknown	0	0	0	0	0
TOTAL	18,672	100.0	15,647	100.0	83.8

$$* \text{ Resident Percentage} = \frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}} \times 100$$

GRAPH 4

REPORTED INDUCED ABORTIONS PERCENT DISTRIBUTION FIRST TIME ABORTION RECIPIENTS VERSUS REPEAT ABORTION RECIPIENTS BY AGE GROUP MINNESOTA RESIDENTS, 1979

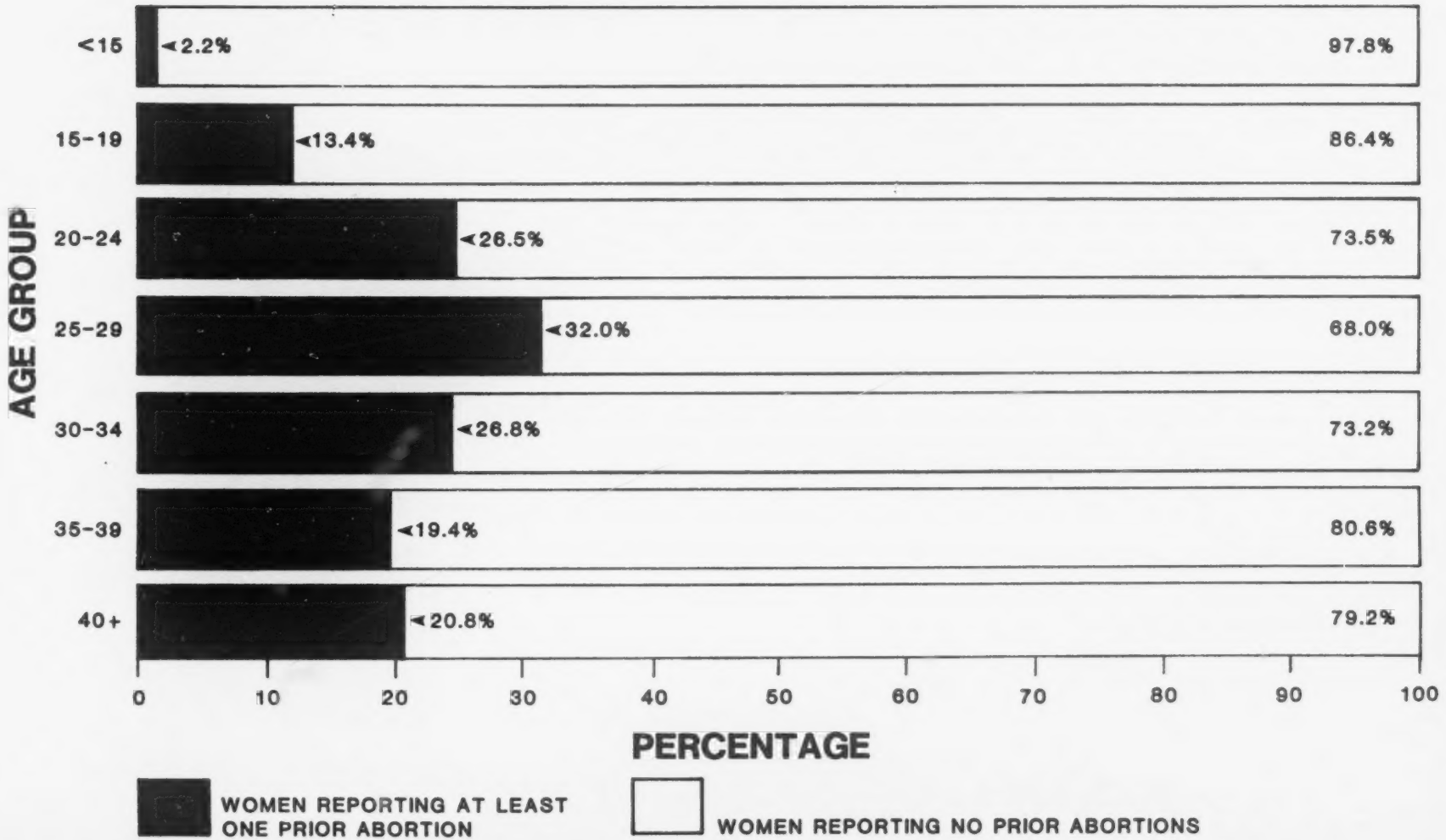


Table 9

REPORTED INDUCED ABORTIONS
PATIENTS REPORTING PRIOR ABORTIONS
BY AGE GROUP AND RESIDENCE

MINNESOTA, 1979

Age Group	Total Reported Abortions			Minnesota Resident Abortions		
	Number	Prior Abortions*	%**	Number	Prior Abortions*	%**
<15	116	2	1.7	90	2	2.2
15-19	6,593	845	12.8	5,511	737	13.4
20-24	6,763	1,713	25.3	5,683	1,508	26.5
25-29	2,945	915	31.1	2,574	824	32.0
30-34	1,297	327	25.2	1,107	297	26.8
35-39	574	111	19.3	501	97	19.4
40+	206	40	19.4	173	36	20.8
Unknown	178	3	1.7	8	2	25.0
TOTAL	18,672	3,956	21.2	15,647	3,503	22.4

* Number of women who reported at least one prior abortion.

** Percentage of women within each age group who reported having had at least one prior abortion.

Table 10

REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR LIVE BIRTHS
AND RESIDENCE

MINNESOTA, 1979

Number of Prior Live Births	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
0	13,661	73.2	11,306	72.3	82.8
1	2,375	12.7	2,081	13.3	87.6
2	1,651	8.8	1,421	9.1	86.1
3	602	3.2	511	3.3	84.9
4	227	1.2	193	1.2	85.0
5	87	0.5	73	0.5	83.9
6	38	0.2	32	0.2	84.2
7	21	0.1	20	0.1	95.2
8	5	0.0	5	0.0	100.0
9+	5	0.0	5	0.0	100.0
Unknown	0	0	0	0	0
TOTAL	18,672	100.0	15,647	100.0	83.8

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 11

REPORTED INDUCED ABORTIONS
PATIENTS REPORTING PRIOR LIVE BIRTHS
BY AGE GROUP AND RESIDENCE

MINNESOTA, 1979

Age Group	Total Reported Abortions			Minnesota Resident Abortions		
	Number	Prior Live Births*	%**	Number	Prior Live Births*	%**
<15	116	0	0	90	0	0
15-19	6,593	469	7.1	5,511	414	7.5
20-24	6,763	1,551	22.9	5,683	1,350	23.8
25-29	2,945	1,363	46.3	2,574	1,182	45.9
30-34	1,297	923	71.2	1,107	787	71.1
35-39	574	519	90.4	501	451	90.0
40+	206	185	89.8	173	156	90.2
Unknown	178	1	0.6	8	1	12.5
TOTAL	18,672	5,011	26.8	15,647	4,341	27.7

* Number of women who reported at least one prior live birth.

** Percentage of women within each age group who reported having had at least one prior live birth.

Table 12

REPORTED INDUCED ABORTIONS
BY METHOD BY WEEKS OF GESTATION
MINNESOTA RESIDENTS, 1979

Method*	Reported Resident Abortions	Gestation in Weeks** (LMP) <9	9-10	11-12	13-15	16-20	21+
Suction Curettage	13,367	5,239	5,083	2,345	669	29	2
Laminaria & Curettage	1,371	172	122	91	384	569	33
Combination	857	242	213	277	118	5	2
Prostaglandin	0	0	0	0	0	0	0
Sharp Curettage	5	2	1	1	0	1	0
Hysterectomy Hysterotomy	0	0	0	0	0	0	0
Saline	0	0	0	0	0	0	0
Menstrual Extraction(-)†	41	39	2	0	0	0	0
Menstrual Extraction(+)†	6	6	0	0	0	0	0
TOTAL	15,647	5,700	5,421	2,714	1,171	604	37

* See definitions of methods in index.

** Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

† (-) Negative tissue pathology (not pregnant)
(+) Positive tissue pathology (pregnancy confirmed)

Table 13

REPORTED INDUCED ABORTIONS
BY METHOD BY COMPLICATIONS AND RESIDENCE
MINNESOTA, 1979

	Total Reported Abortions				Minnesota Resident Abortions			
Method*	Procedures	%	Complications	Rate/1000**	Procedures	%	Complications	Rate/1000**
Suction Curettage	15,389	82.4	14	0.91	13,367	85.4	11	0.82
Laminaria & Curettage	2,078	11.1	8	3.85	1,371	8.8	7	5.11
Combination	105	0.6	0	0	0	0	0	0
Prostaglandin***	1,043	5.6	0	0	857	5.5	0	0
Sharp Curettage	5	0.0	0	0	5	0.0	0	0
Hysterectomy Hysterotomy	0	0	0	0	0	0	0	0
Saline	0	0	0	0	0	0	0	0
Menstrual Extraction(-)†	44	0.2	0	0	41	0.3	0	0
Menstrual Extraction(+)†	8	0.0	0	0	6	0.0	0	0
TOTAL	18,672	100.0	22	1.18	15,647	100.0	18	1.15

Reported complications include the categories hemorrhage (≥500 ml), pelvic infection, fever, cervical injury, uterine perforation, retained tissue and other procedure related conditions.

* See definitions of methods in the index.

** Rate is reported complications per 1,000 abortion procedures.

*** Due to reporting difficulties residence is unknown for all prostaglandin procedure patients.

† (-) Negative tissue pathology (not pregnant)
(+) Positive tissue pathology (pregnancy confirmed)

GRAPH 5

REPORTED INDUCED ABORTIONS
LEVEL OF CONTRACEPTIVE USE BY AGE GROUP
MINNESOTA RESIDENTS, 1979

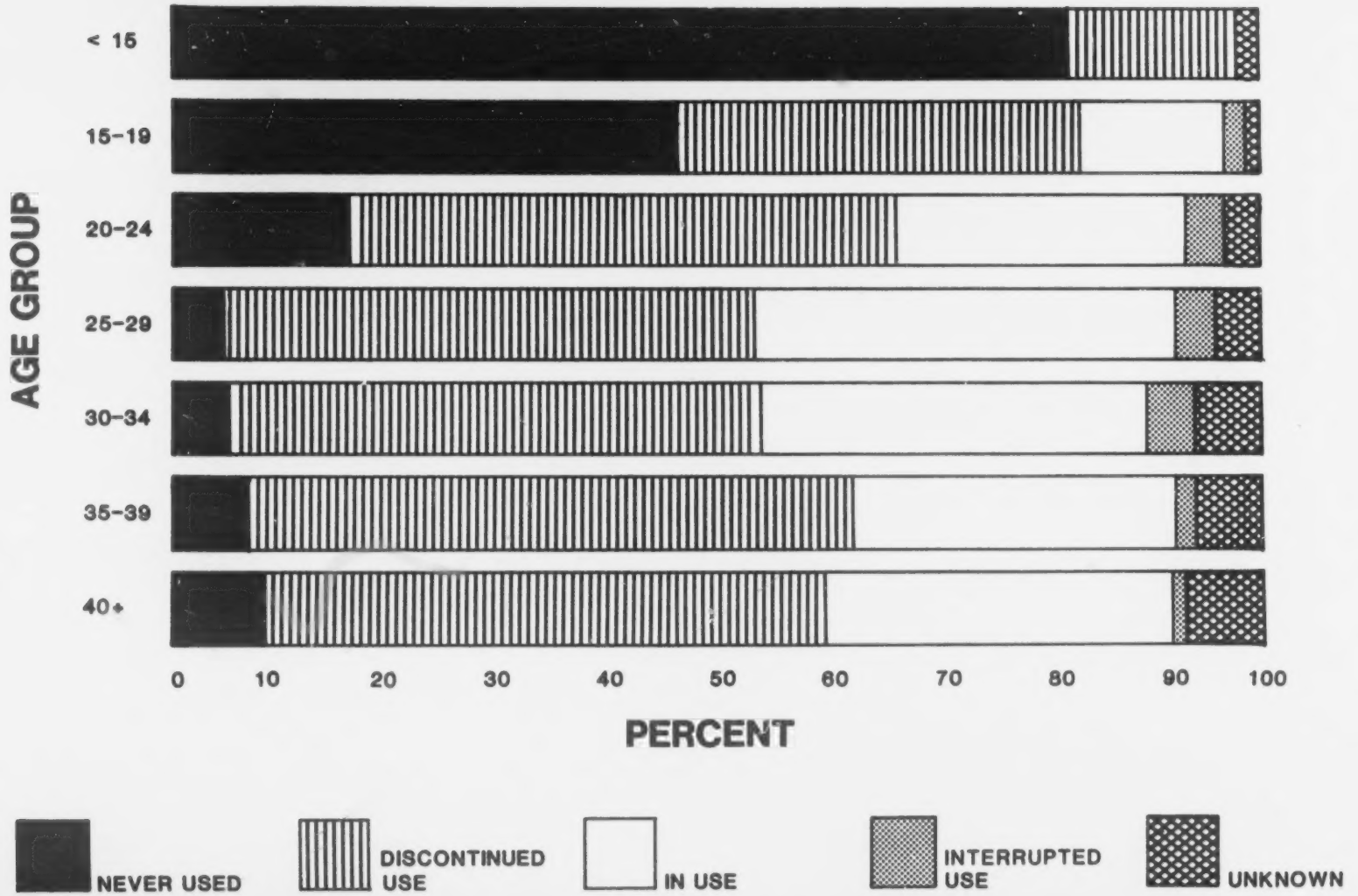


Table 14

REPORTED INDUCED ABORTIONS
BY AGE GROUP BY CONTRACEPTIVE USE
MINNESOTA RESIDENTS, 1979

Age Group	Reported Resident Abortions	Reported Contraceptive Use*									
		Never Used	%**	Not Now Using	%**	In Use	%**	Interrupted Use***	%**	Unknown	%**
<15	90	74	82.2	14	15.6	0	0	0	0	2	2.2
15-19	5,511	2,535	46.0	2,015	36.6	787	14.3	103	1.9	71	1.3
20-24	5,683	914	16.1	2,821	49.6	1,582	27.8	183	3.2	183	3.2
25-29	2,574	119	4.6	1,249	48.5	1,000	38.9	83	3.2	123	4.8
30-34	1,107	58	5.2	535	48.3	392	35.4	45	4.1	77	7.0
35-39	501	36	7.2	278	55.5	145	28.9	7	1.4	35	7.0
40+	173	16	9.2	87	50.3	53	30.6	2	1.2	15	8.7
Unknown	8	3	37.5	5	62.5	0	0	0	0	0	0
TOTAL	15,647	3,755	24.0	7,004	44.8	3,959	25.3	423	2.7	506	3.2

* Responses given--
Never used - I've never used any form of birth control.
Not now using - I've used some type of birth control but not when I became pregnant.
In use - I was using contraception when I became pregnant.
Interrupted use - I usually use a method of contraception but through human error it was not effective (missed a pill or two, forgot to check for my IUD, did not use my diaphragm once or twice, etc.).

** Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that age group reporting any contraceptive use.

*** "Interrupted Use" was added as a response in July of 1979. The numbers reported in this category represent only six months of data.

Table 15

REPORTED INDUCED ABORTIONS
MARITAL STATUS BY REPORTED CONTRACEPTIVE USE
MINNESOTA RESIDENTS, 1979

Marital Status	Reported Resident Abortions	Reported Contraceptive Use*									
		Never Used	%**	Not Now Using	%**	In Use	%**	Interrupted Use	%**	Unknown	%**
Never Married	11,167	3,481	31.2	4,746	42.5	2,410	21.6	293	2.6	237	2.1
Married	2,198	138	6.3	980	44.6	867	39.4	68	3.1	145	6.6
Divorced	1,332	50	3.8	745	55.9	439	33.0	41	3.1	57	4.3
Separated	489	26	5.3	301	61.6	117	23.9	16	3.3	29	5.9
Widowed	54	2	3.7	31	57.4	17	31.5	1	1.9	3	5.6
Unknown	407	58	14.3	201	49.4	109	26.8	4	1.0	35	8.6
TOTAL	15,647	3,755	24.0	7,004	44.8	3,959	25.3	423	2.7	506	3.2

* Responses given--
Never used - I've never used any form of birth control.
Not now using - I've used some type of birth control but not when I became pregnant.
In use - I was using contraception when I became pregnant.
Interrupted use - I usually use a method of contraception but through human error it was not effective (missed a pill or two, forgot to check for my IUD, did not use my diaphragm once or twice, etc.).

** Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that marital status reporting any contraceptive use.

*** "Interrupted Use" was added as a response in July of 1979. The numbers reported in this category represent only six months of data.

Table 16

REPORTED INDUCED ABORTIONS
BY AGE GROUP BY TYPE OF CONTRACEPTION
MINNESOTA RESIDENTS, 1979

Contraceptive Type	Reported Resident Abortions	Age Group							
		<15	15-19	20-24	25-29	30-34	35-39	40+	Unknown
None	11,167	89	4,585	3,883	1,467	670	348	117	8
Rhythm	296	0	69	88	81	32	16	10	0
Douche/ Withdrawal	127	0	51	43	22	3	0	8	0
Foam	588	0	94	207	158	79	39	11	0
Condom	639	0	250	202	97	47	34	9	0
Foam & Condom	227	0	48	95	54	19	8	3	0
Diaphragm	997	0	94	465	298	120	13	7	0
Intrauterine Device	309	0	36	111	104	41	14	3	0
Birth Control Pills	753	1	193	361	144	42	12	0	0
Male/Female Sterilization	53	0	2	12	18	15	6	0	0
Encare Oval	482	0	89	212	127	38	11	5	0
Other	9	0	0	4	4	1	0	0	0
TOTAL	15,647	90	5,511	5,683	2,574	1,107	501	173	8

REPORTED INDUCED ABORTIONS
NUMBER OF ABORTIONS BY MONTH PERFORMED
MINNESOTA RESIDENTS, 1979

GRAPH 6

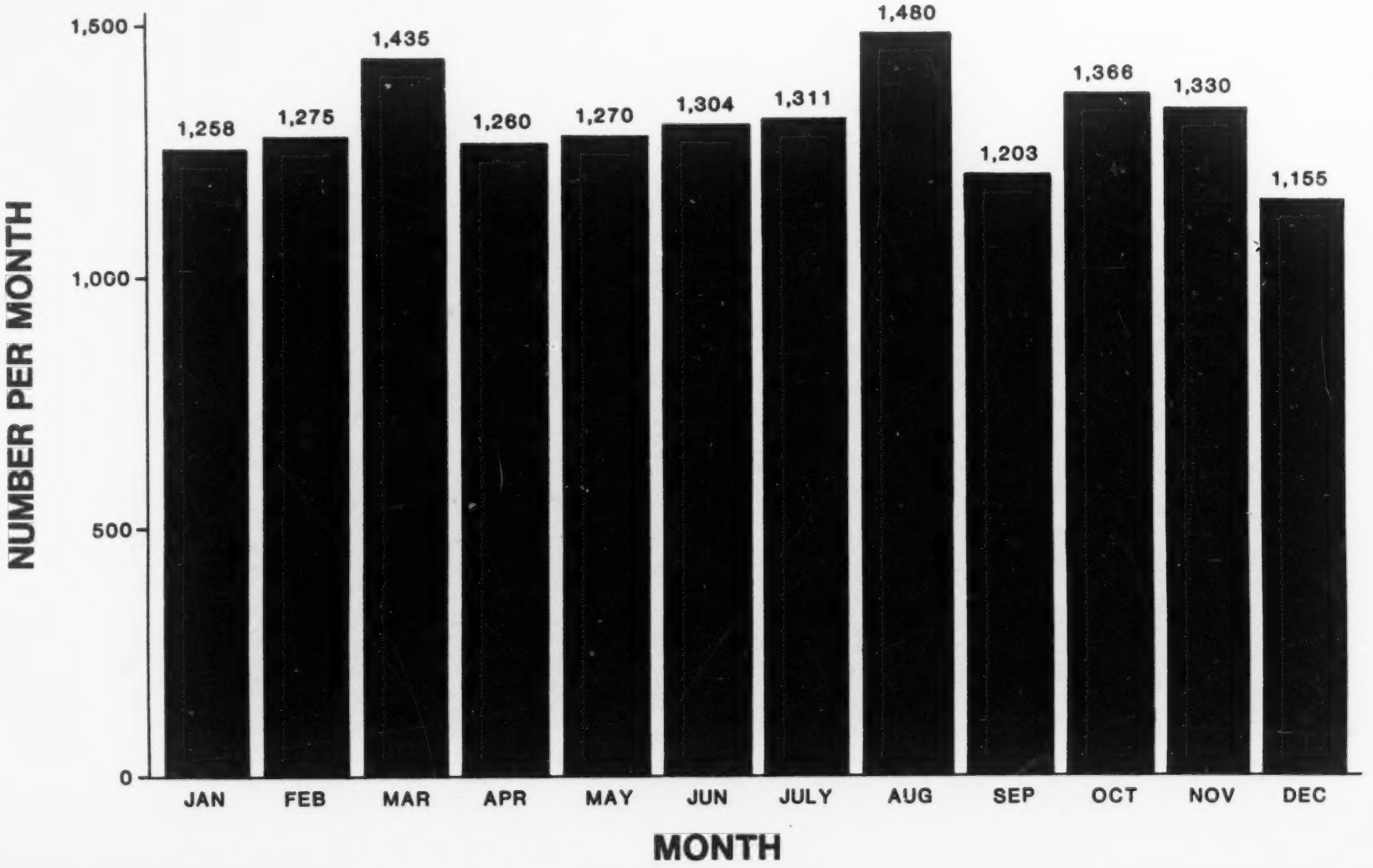


Table 17

REPORTED INDUCED ABORTIONS
BY QUARTER AND RESIDENCE

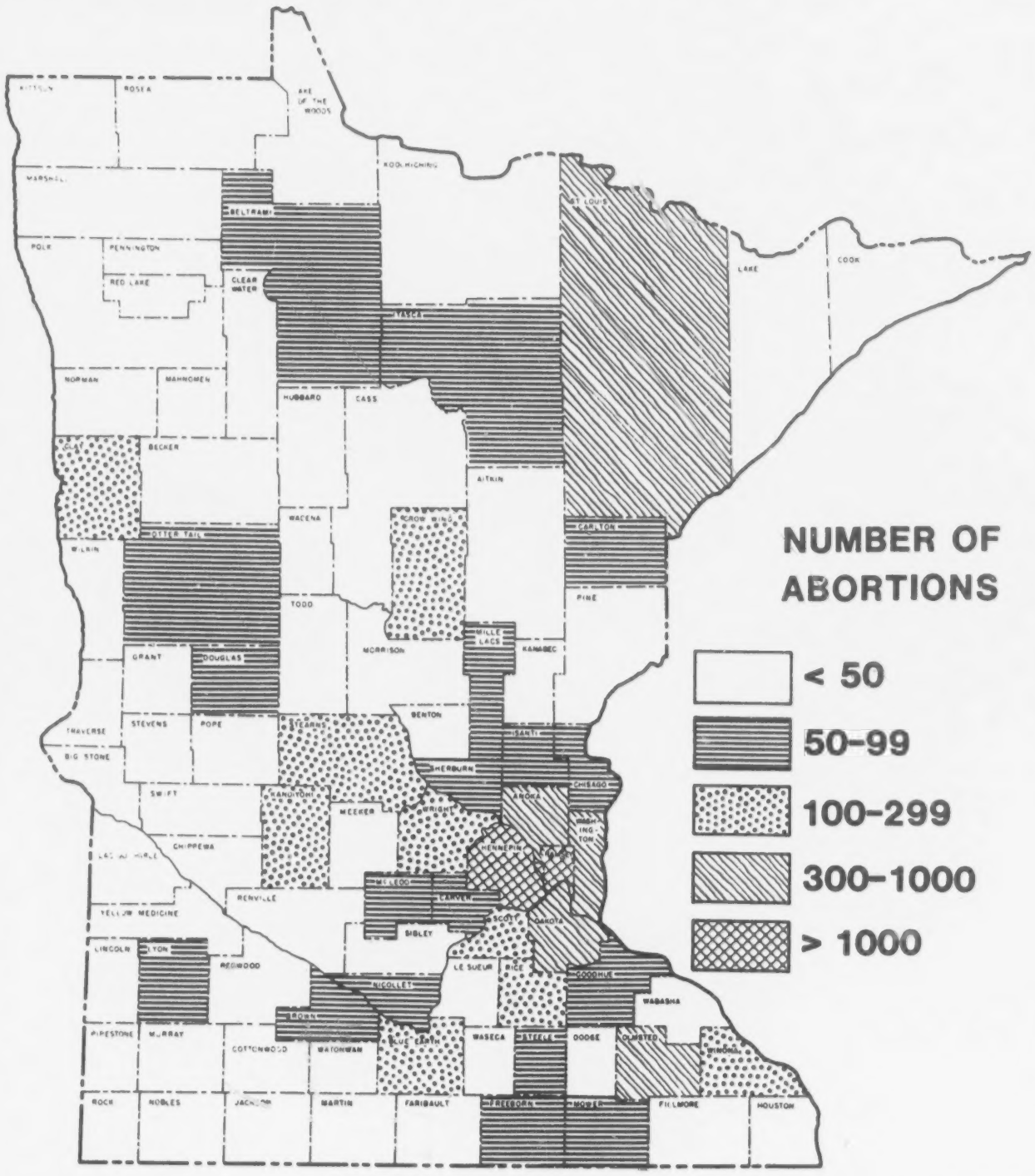
MINNESOTA, 1979

	Total Reported Abortions		Minnesota Resident Abortions		
Quarter	Number	Percentage	Number	Percentage	Resident Percentage*
Jan - Mar	4,731	25.3	3,968	25.4	83.9
Apr - June	4,616	24.7	3,834	24.5	83.1
July - Sept	4,759	25.5	3,994	25.5	83.9
Oct - Dec	4,566	24.5	3,851	24.6	84.3
TOTAL	18,672	100.0	15,647	100.0	83.8

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions (quarter X)}}{\text{Total Reported Abortions (quarter X)}}$ X 100

GRAPH 7

REPORTED INDUCED ABORTIONS BY COUNTY OF RESIDENCE MINNESOTA 1979



Minnesota Department of Health - 1937

Table 18

REPORTED INDUCED ABORTIONS
OCCURRING IN MINNESOTA TO NON-MINNESOTA RESIDENTS
BY STATE OR COUNTRY OF RESIDENCE, 1979

State of Residence	Reported Abortions	
	Number	Percentage
Alabama	5	0.2
Alaska	2	0.1
Arizona	2	0.1
Arkansas	1	0.0
Colorado	1	0.0
Florida	3	0.1
Georgia	14	0.5
Hawaii	1	0.0
Idaho	1	0.0
Illinois	135	4.5
Indiana	7	0.2
Iowa	274	9.1
Kentucky	7	0.2
Louisiana	2	0.1
Maryland	2	0.1
Massachusetts	1	0.0
Michigan	42	1.4
Mississippi	1	0.0
Missouri	16	0.5
Montana	9	0.3
Nebraska	7	0.2
New Mexico	1	0.0
New York	7	0.2
North Carolina	1	0.0
North Dakota	335	11.1
Ohio	1	0.0
South Carolina	5	0.2
South Dakota	437	14.4
Tennessee	3	0.1
Texas	2	0.1
Utah	1	0.0
Virginia	1	0.0
Washington	2	0.1
West Virginia	1	0.0
Wisconsin	1,274	42.1
Wyoming	1	0.0
Country of Residence		
Canada	204	6.7
Mexico	2	0.1
Other & Unknown	214	7.1
TOTAL	3,025	100.0

DEFINITIONS*

ABORTION, INDUCED:

The intentional, premature expulsion from the uterus of a non-viable fetus.

ABORTION, RESIDENT:

Abortions to Minnesota residents which occurred in Minnesota and were reported during this Surveillance.

BIRTH RATE:

The number of live births per 1,000 population.

COMPLICATIONS:

Any unfavorable conditions reported within 24 hours of a procedure including hemorrhage ($\geq$500 ml), pelvic infection, fever, cervical injury, uterine perforation, or retained tissue.

CURETTE:

A spoon-shaped surgical instrument.

CURETTAGE:

The removal of material from the uterine wall. Also, the induction of endometrial bleeding by administration and withdrawal of any progestational agent.

FERTILITY RATE:

The number of live births per 1,000 women in the population aged 15-44 years.

GESTATION:

The period of development of the fetus, expressed in completed weeks, calculated from the first day of the last menstrual period.

LAMINARIA:

Sterile, dried marine plant stems which are capable of expanding with fluid absorption.

PREGNANCY RATE:

The number of live births, fetal deaths, and induced abortions per 1,000 women in the population aged 15-44 years.

* As used in this report.

ABORTION PROCEDURES:

Combination: Two or more abortion methods used simultaneously or sequentially.

Hysterectomy/hysterotomy: Removal of the fetus by means of a surgical incision made in the uterine wall. In the case of hysterectomy, the entire uterus is removed.

Laminaria and curettage (Dilation and Evacuation, D & E): Dilitation of the cervix by insertion of laminaria several hours before removal of uterine contents by suction and sharp curettage.

Menstrual extraction (m. regulation, m. induction): Evacuation of the uterine contents by suction curettage, usually before the 14th day after a missed menstrual period, and before the diagnosis of pregnancy is reliable. Urine pregnancy test may be negative (-) or positive (+).

Prostaglandin: Induction of labor by injection of a prostaglandin (naturally occurring hormone) solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation. Other hormones may be given intravenously to assist labor.

Saline/fluid exchange: Induction of labor by injection of a sterile salt solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation.

Sharp curettage: Mechanical dilation of the cervix with removal of the uterine contents by scraping the uterine wall with a surgical curette.

Suction curettage: Mechanical dilation of the cervix with removal of the uterine contents by low pressure suction created by an electric suction pump.

Complete and return to:

Center for Health Statistics
Minnesota Department of Health
717 Delaware St. S. E.
Minneapolis, Minnesota 55440

5

PLEASE PRINT

REPORT OF INDUCED ABORTION

TYPE OF ADMISSION

1 = Inpatient 2 = Outpatient 3 = Clinic 4 = Other _____

FACILITY ID CODE [1]

PATIENT RESIDENCE *(Write in)*

City _____

County _____

State _____

MDH use only
12
16
18

AGE IN YEARS *(Birth Date Optional* Month ___ Day ___ Year ___ *)* 20 Years

RACE/ETHNICITY 1 = White 2 = Black 3 = American Indian 4 = Hispanic 5 = Japanese/Chinese/Asian 6 = Other 7 = Unknown 22

MARITAL STATUS 1 = Never Married 2 = Married Now 3 = Widowed 4 = Divorced 5 = Separated 6 = Unknown 23

CONTRACEPTIVES USED?

1 = Never used any contraceptive method
2 = Have used but discontinued method
3 = Was using at conception *(See 46 below)* *
4 = Unknown
5 = Interrupted use of usual method *(See 46 below)* *

Total number of prior pregnancies to this woman *(a+b+c below)* 24

a. Total number of live births
b. Fetal deaths, spontaneous abortions
c. Number of prior induced abortions

28

DATE OF ABORTION 29 Month ___ Day ___ Year ___

DATE OF LAST NORMAL MENSES (LMP) 38 Month ___ Day ___ Year ___

GESTATION WEEKS *(Physicians estimate of completed weeks post LMP)* 41 Weeks

ABORTION METHOD

1 = Suction curettage
2 = Sharp curettage
3 = Saline/fluid exch
4 = Prostaglandin
5 = Hysterectomy/otomy
6 = Combination *(Circle each)*
7 = Menstrual extr (– preg)
8 = Menstrual extr (+ preg)
9 = Laminaria & curettage

43

COMPLICATIONS OR FAILURES *(Was patient hospitalized? Yes No [Circle one])*

0 = None
1 = Hemorrhage (500 ml)
2 = Pelvic infection
3 = Fever (>38° C)
4 = Cervical injury
5 = Uterine perforation
6 = Retained tissue
7 = Continuing pregnancy
8 = Other *(Specify)* _____

44

Optional

RELIGIOUS PREFERENCE 1 = Prot 2 = Cath 3 = Jew 4 = Other 5 = None 6 = Unk 45

*CURRENT CONTRACEPTIVE *(As indicated by 28 above)* 0 = None 1 = Rhythm 2 = Douche or Wthdrwl 3 = Foam 4 = Condom 5 = Foam + Condom 6 = Diaphrm 7 = IUD 8 = Pills 9 = Sterilization (M or F) A = Suppositories B = Injectables C = Natural Family Planning 46

Other _____

47

HE - 01160 - 01 (4/80)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
CENTER FOR DISEASE CONTROL
EPIDEMIOLOGY PROGRAM
ATLANTA, GEORGIA 30333

SAMPLE #2

CASE REPORT

NS = NOT STATED

JPSA/CDC # No. F 5000

DO NOT WRITE IN THIS SPACE

CARD A

1-6: 1

1. Name and location of institution _____ 7-8: ____

2. Patient's residence: Local ☐ 1 Out of area ☐ 2 | 3. Age at abortion _____ OR DATE of birth _____ 9-11: ____

4. Number of prior: Pregnancies _____ Deliveries (20 weeks or more) _____ Abortions (less than 20 weeks) _____ 12-17: ____

5. Marital status: Single or never married ☐ 1 Married ☐ 2 Widowed, divorced, or separated ☐ 3 NS ☐ 9 18: ____

6. Ethnic group: White ☐ 1 Black (Negro) ☐ 2 Other ☐ 3 NS ☐ 9 19: ____

7. Type of service: Medicaid private ☐ 1 Other private ☐ 2 Medicaid nonprivate ☐ 3 Other nonprivate ☐ 4 20: ____

8. First day of LMP _____ NS ☐ 9 | 9. Estimated gestational age at time of abortion (in weeks from ovulation) _____ DAY MO. YR. 21-26: ____

10. Pre-existing medical and/or gynecological complications likely to increase surgical risk (underline most important condition) _____ 27-28: ____

_____ OR None ☐ 0 29-31: ____

11. Operator: Attending M.D. ☐ 1 Resident ☐ 2 Intern ☐ 3 Medical student ☐ 4 32: ____

Other (specify) _____ OR NS ☐ 9

12. Anesthetist: None required ☐ 0 Qualified M.D. ☐ 1 M.D. in training ☐ 2 Nurse ☐ 3 33: ____

Nurse in training ☐ 4 Other (specify) _____ OR NS ☐ 9

13. Type of anesthesia (check one or more): None ☐ 0 Sedation/analgesia ☐ 1 Local ☐ 2 Regional ☐ 4 General ☐ 8 34-35: ____ (Cumulative)

Other (specify) _____

14. Type of primary procedure:* 36: ____

Dilatation & curettage ☐ 1 – GO TO 15 Hysterotomy ☐ 4 – GO TO 28

Dilatation & suction ☐ 2 – GO TO 15 Hysterectomy ☐ 5 – GO TO 28

Instillation ☐ 3 – GO TO 17 Other ☐ 6 – GO TO 29

* Operations performed because of failure of primary procedure should not be checked here, but under treatment of complications (38). Tubal sterilization should be checked under 30.

15. Curettage with or w/o use of ovum forceps ☐ 10 Suction alone ☐ 20

Suction with exploration (curette) ☐ 30 Suction, exploration NS ☐ 40 37-38: ____

16. A. Type of dilatation: Hanks and/or Hegar ☐ 1 Vibrodilator ☐ 2 Laminaria ☐ 3 39: ____

Other (specify) _____ OR NS ☐ 9

B. Size: Hanks _____ Hegar _____ NS ☐ 9 40-41: ____

– GO TO 30 (Skip to Col. 57)

17. Route: Abdominal ☐ 1 Vaginal intra-amniotic ☐ 2 Vaginal extra-amniotic ☐ 3

Other (specify) _____ 37: ____

18. Solution instilled: Sodium chloride ☐ 1 Glucose ☐ 2 Other (specify) _____ 38: ____

19. Concentration _____ percent NS ☐ 9 | 20. Withdrawal and/or instillation by: Needle ☐ 1 Catheter ☐ 2 NS ☐ 9 39-43: ____

21. Withdrawal by: Syringe ☐ 1 Drip ☐ 2 NS ☐ 9 None ☐ 0 44: ____

22. Instillation by: Infusion pump ☐ 1 Infusion drip ☐ 2 Manually ☐ 3 NS ☐ 9 None ☐ 0 45: ____

HSM 4.316 (CDC)
8-71

– OVER –

FORM APPROVED
OMB NO. 68-R1245

MEDICAL RECORD. This form contains medical information the disclosure of which is restricted by 5 U.S.C. 552, 18 U.S.C. 1905, 45 CFR Part 5